

09/30/87

ABSTRACT

A method of allocating resources includes scheduling jobs from among a plurality of resources of a work-producing system. The work producing system is a pharmacy. The method includes the steps of sorting, in a predetermined order, available resources to be utilized in the pharmacy by a last task assignment, a number of tasks performable, rate per task, and/or cost per hour, and determining one or more queues responsive to the sorting. The method also includes the step of normalizing the queue by dividing a current task queue by an average rate of the available resources for each task in the current task queue. The method also includes the step of assigning the available resources to one or more tasks with a predetermined normalized queue, subject to at least one task constraint.